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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

COUNTRY Germany (Soviet Zone)

SUBJECT HF Works' Delivery of Battery Tubes to USSR

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1. In the year 1952-53, HF-Werk, Berlin-Oberschöneweide, delivered 5,500,000 battery tubes to the Soviet Union alone. They were mainly RVI, 2P2 tubes, about 3 cm in size. The waste in the entire tube production of the works amounted to 60,200,000 East marks in 1952.
2. Besides the UCH 81, production of television transmitted tubes is proceeding. An average of 5,000 UCH 81 tubes is manufactured daily. The first quality tubes go almost entirely to the Soviet Union. The production of usable television tubes has been going on for about half a year. Before that, dependence was on English and American tubes which were procured through Poland and Czechoslovakia at high prices. The television tubes now being produced were patterned after these. As everywhere in the production of tubes, there are filament troubles with the television transmitters, due to the poor quality of the filament material.
3. The electronic microscope department is occupied with the development of microscopes for the Soviet Union, but has had repeated failures because there is no experienced skilled personnel available.
4. About a kilogram of germanium has been placed at the disposal of the HF-Werk from the Soviet Union, and an attempt is now being made to manufacture transistors. The experimental transistors are turned out by hand. They have not yet passed the experimental stage. The quality of the germanium leaves a good deal to be desired.
5. There is a laboratory at Friedrichshagen, affiliated with the HF-Werk, where spotting equipment (Ortungseräte) for fishing vessels is manufactured. It was established at the end of 1952. Thus far no useful equipment has been developed, while

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the cost to the HF-Werk is considerable.

6. The picture tube production is very weak. Thus far it has not been possible to turn out tubes with a larger picture area than 14 by 15 cm.
7. After almost two years of experiments, success has finally been attained in producing non-ferrous copper. It will be used in making coils for precision instruments. There are about 6 kg. of completely iron-free copper now on hand.

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